Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	68340	(optical adj2 dis$1) near4 (drive or apparatus or device or player or record$3/reproduc$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 09:19
S2	12664	(double$1sided or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual or both) near3 (fac$2 or surfac$2))) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 09:37
S3	1713	S1 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:22
S4	4247	"720".clas.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:20
S5	236	S3 and S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:16
S6	203277	double$1sided or (double adj sid$2) or (tow adj sid$2) or (dual adj sid$2) or (plural$3 or two or double or dual) near4 (head$1 or pickup$1 or (object$3 adj lens) or read$1write)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:21
S7	122	S6 and S5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 09:47
S8	1039	S6 and S3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 09:48
S9	916	S8 and @ay<="2003"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 10:41
S10	548	S9 and (simultan$6 or concurrent$3 or coincident$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 10:42
S11	62	S4 and S10	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 10:44
S12	3	720/617.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 10:50
S13	79	720/619.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 17:29
S14	25	("4498162" | "4546396" | "4677607" | "4682320" | "4864551" | "4969140" | "4979160" | "5054016" | "5136570" | "5166917" | "5173894" | "5204849" | "5255255" | "5416763" | "5493551" | "5544148" | "5737293" | "5872757" | "6016299" | "6028831" | "6058097" | "6167015" | "6192019" | "6198713" | "6330216").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 11:14
S15	4	("6449234").URPN.	USPAT	OR	ON	2005/11/17 11:45
S16	44	720/622.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 12:05

S17	41	720/623.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 12:41
S18	29	720/624.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 12:48
S19	7	720/625.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 12:50
S20	19	720/638.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:03
S21	2245	(("tray adj less" or trayless) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 grip$4 or tak$3) with dic$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:05
S22	5	S4 and S21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:05
S23	4688	(("tray adj less" or trayless) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 grip$4 or tak$3) same dic$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:07
S24	9	S4 and S23	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:07
S25	321776	(("tray adj less" or trayless) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 grip$4 or tak$3) same dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:07
S26	3322	S4 and S25	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:07
S27	195640	(("tray adj less" or trayless) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 grip$4 or tak$3) with dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:08
S28	3106	S4 and S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:08
S29	118206	(("tray adj less" or trayless) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 grip$4 or tak$3) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:17
S30	0	S4 same S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:08
S31	2828	S4 and S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:09
S32	1345	S31 and arm	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:10
S33	511	S32 and select$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:10
S34	30986	((arm or wing or member or support or grip$3 or suck$3) with ((load$3 or unload$3) or receiv$3 or accept$3 or tak$3)) with dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:21

S35	2009	S1 and S34	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:21
S36	731	S35 and S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:52
S37	10607	((arm or wing or member or support or grip$3 or suck$3) with ((load$3 or unload$3) or receiv$3 or accept$3 or tak$3)) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:25
S38	930	S1 and S37	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:47
S39	438	S38 and S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:22
S40	19	S38 and robot$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:52
S41	184	Awano near3 Hiroyuki	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:50
S42	18	S1 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:50
S43	12975	Hitachi near3 Maxell	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:52
S44	14	S35 and S43	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 13:52
S45	12	("4695996" | "4890276" | "4979160" | "4995027" | "5136570" | "5150349" | "5195077" | "5255255" | "5878011" | "6052351" | "6256280" | "6292452").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 13:54
S46	1	"20010008510"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/17 17:29
S47	5136907	"1" and "2" and "6"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:21
S48	68340	(optical adj2 dis$1) near4 (drive or apparatus or device or player or record$3/reproduc$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:25
S49	12664	(double$1sided or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual or both) near3 (fac$2 or surfac$2))) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:26
S50	1713	S48 and S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:22
S51	203277	double$1sided or (double adj sid$2) or (tow adj sid$2) or (dual adj sid$2) or (plural$3 or two or double or dual) near4 (head$1 or pickup$1 or (object$3 adj lens) or read$1write)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:22

S52	1039	S50 and S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:24
S53	118206	(("tray adj less" or trayless) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 grip$4 or tak$3) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:10
S54	700	S52 and S53	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:29
S55	10607	((arm or wing or member or support or grip$3 or suck$3) with ((load$3 or unload$3) or receiv$3 or accept$3 or tak$3)) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:10
S56	74	S54 and S55	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:25
S57	4247	"720".clas.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:06
S58	97	S54 and S57	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 18:30
S59	122	S52 and S57	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:01
S60	60	720/659.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:06
S61	166833	(("tray adj less" or trayless or tray-less) or (load$3 or unload$3) or receiv$3 or accept$3 or suck$3 or grip$4 or tak$3 or retract$3 or insert$3 or grip$3 or suck$3 or grab$3 or hold$3) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:23
S62	795	S52 and S61	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:24
S63	650	S62 not tray	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:25
S64	639	S63 and (optical adj2 dis$1) near4 (drive or apparatus or device or player)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:25
S65	639	S64 and S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:27
S66	521	S65 and @ay<="2002"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/18 19:27

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	60551	(optical adj2 dis$1) near3 (drive or apparatus or device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 19:06
S2	3863	(double$1sided or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual) near3 fac$2)) near5 dis$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:13
S4	724	S1 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:49
S5	114	S1 same S2 ·	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:28
S6	186	S4 and hous$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:50
S7	147	S6 and (buffer or momory or stor$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:57
S8	308578	optical near3 (drive or apparatus or device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:56
S9	980	S2 and S8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:56
S10	738	S9 and (buffer or momory or stor$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:57
S11	4241	"720".clas.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:57
S12	57	S10 and S11	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 09:57
S13	60551	(optical adj2 dis$1) near3 (drive or apparatus or device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 15:38
S14	16	S13 and (tray adj less or trayless)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 15:33
S15	16	S13 and ((tray adj less) or trayless)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 15:39
S16	308578	optical near3 (drive or apparatus or device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 15:39
S17	22	S16 and ((tray adj less) or trayless)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 15:39
S18	102	((double$1sided or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual) near3 fac$2)) near5 dis$1) near7 (simultan$6 or concurrent$3 or coincident$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:57

S19	239	((double$1sided or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual) near3 fac$2)) near5 dis$1) same (simultan$6 or concurrent$3 or coincident$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:29
S20	264	((double$1sid$3 or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual) near5 fac$2)) near6 dis$1) same (simultan$6 or concurrent$3 or coincident$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:31
S21	4140	((double$1sid$3 or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual) near3 fac$2)) near6 dis$1)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:35
S22	4241	"720".clas.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:32
S23	4082	S22 and "6"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:32
S24	251	S21 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:32
S25	0	("2005/0097584").URPN.	USPAT	OR	ON	2005/11/16 18:33
S26	8015	((double$1sid$3 or (double adj side$1) or (tow adj side$1) or (dual adj side$1) or ((two or double or dual) near3 (fac$2 or surfac$2))) near6 dis$1)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 19:08
S27	311	S22 and S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:56
S28	0	("2005/0240946").URPN.	USPAT	OR	ON	2005/11/16 18:38
S29	0	("6954937").URPN.	USPAT	OR	ON	2005/11/16 18:39
S30	0	("2005/0097584").URPN.	USPAT	OR	ON	2005/11/16 18:40
S31	0	("2005/0076349").URPN.	USPAT	OR	ON	2005/11/16 18:40
S32	0	("2003/0081526").URPN.	USPAT	OR	ON	2005/11/16 18:43
S33	13	("4995029" | "5226032" | "5361181" | "5610890" | "5636200" | "5724332" | "5732063" | "5831958" | "5867476" | "5907535" | "5933400" | "6002556" | "6052510").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/16 18:44
S34	20	("4604664" | "4780383" | "4789965" | "4827469" | "4864537" | "5016240" | "5060106" | "5197049" | "5299186" | "5352947" | "5414574" | "5573847" | "5707728" | "5742581" | "5871621" | "5875082" | "5875083" | "5875084" | "6180201" | "6185069").PN. OR ("6545974").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/16 18:47
S35	10	("5572498" | "5812511" | "5923630" | "5995345" | "6108299" | "6122142" | "6262960" | "6310855").PN. OR ("6512731").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/16 18:49
S36	60551	(optical adj2 dis$1) near3 (drive or apparatus or device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:58
S37	1589	S36 and S22	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 18:58

S38	123	S37 and S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 19:02
S39	0	("2001/0040857").URPN.	USPAT	OR	ON	2005/11/16 19:01
S40	81697	(optical adj2 dis$1) near3 (drive or apparatus or player or read$3 or record$3 or read$3/record$3 or device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 19:08
S41	2136	S22 and S40	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 19:08
S42	200	S41 and S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/11/16 19:09

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8585	(tow or dual or double) near3 (head$1 or pickup$1)	US-PGPUB; USPAT	OR	ON	2005/11/11 22:22
S2	4240	"720".clas.	US-PGPUB; USPAT	OR	ON	2005/11/11 22:29
S3	29	S1 and S2	US-PGPUB; USPAT	OR	ON	2005/11/11 22:22
S4	1129	"720".clas. and "369".clas.	US-PGPUB; USPAT	OR	ON	2005/11/11 22:30
S5	39857	"369".clas.	US-PGPUB; USPAT	OR	ON	2005/11/11 22:30
S6	15	S1 and S2 and S5	US-PGPUB; USPAT	OR	ON	2005/11/11 22:31
S7	342	S1 and S5	US-PGPUB; USPAT	OR	ON	2005/11/11 22:31
S8	34608	(double$1sided or "double adj side$1" or "tow side" or "dual side") or ((two or double or dual) near3 (side$1 or surface$1 or plane$1 or area$1 or fac$2)) near5 dis$1	US-PGPUB; USPAT	OR	ON	2005/11/11 22:33
S9	88	S7 and S8	US-PGPUB; USPAT	OR	ON	2005/11/11 22:33

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	367225	first near3 (head or pickup or read$3 or record$3 or sen$3 or transduc$3)	US-PGPUB; USPAT	OR	ON	2005/11/09 09:48
S2	306504	second near3 (head or pickup or read$3 or record$3 or sen$3 or transduc$3)	US-PGPUB; USPAT	OR	ON	2005/11/09 09:48
S3	212458	S1 and S2	US-PGPUB; USPAT	OR	ON	2005/11/09 09:57
S4	51930	(mount$3 or emplac$3 or fit$3 or install$3 or position$3 or put$3 or affix$3 or embed$3 or plac$3 or set$3) near3 tray	US-PGPUB; USPAT	OR	ON	2005/11/09 09:58
S5	4280	S3 and S4	US-PGPUB; USPAT	OR	ON	2005/11/09 10:10
S6	1296243	(tow or dual or duplex or both or double or second or flipside or flip or other or reverse or auxiliary) near3 (side or surface or face or area or plane)	US-PGPUB; USPAT	OR	ON	2005/11/09 10:11
S7	2855	S5 and S6	US-PGPUB; USPAT	OR	ON	2005/11/09 10:14
S8	1946	S7 and (memory or storage or buffer)	US-PGPUB; USPAT	OR	ON	2005/11/09 10:16
S9	53822	optical near3 dis$1 near3 (drive or apparatus or device or system)	US-PGPUB; USPAT	OR	ON	2005/11/09 10:17
S10	180	S8 and S9	US-PGPUB; USPAT	OR	ON	2005/11/09 10:17

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	60	720/659.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/10 11:19
S2	31763	(drawer or tray) with (head or pickup or (object$3 adj lens) or read$3 or record$3 or sen$3 or transduc$3)	US-PGPUB; USPAT	OR	ON	2005/11/10 11:19
S3	4240	"720"/.clas.	US-PGPUB; USPAT	OR	ON	2005/11/10 11:19
S4	763	S2 and S3	US-PGPUB; USPAT	OR	ON	2005/11/10 11:28
S5	477196	(first or primary or top or lead$3) near3 (head or pickup or read$3 or record$3 or sen$3 or transduc$3)	US-PGPUB; USPAT	OR	ON	2005/11/10 11:36
S6	501278	(second$3 or additional or another or other or auxiliary or bottom or lower) near3 (head or pickup or read$3 or record$3 or sen$3 or transduc$3)	US-PGPUB; USPAT	OR	ON	2005/11/10 11:36
S7	274814	S5 and S6	US-PGPUB; USPAT	OR	ON	2005/11/10 11:36
S8	181	S4 and S7	US-PGPUB; USPAT	OR	ON	2005/11/10 11:37

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	38510	first near3 (head or pickup or read$3 or record$3 or sen$3 or transduc$3)	EPO; JPO	OR	ON	2005/11/09 10:32
S2	28853	second near3 (head or pickup or read$3 or record$3 or sen$3 or transduc$3)	EPO; JPO	OR	ON	2005/11/09 10:32
S3	12833	(mount$3 or emplac$3 or fit$3 or install$3 or position$3 or put$3 or affix$3 or embed$3 or plac$3 or set$3) near3 tray	EPO; JPO	OR	ON	2005/11/09 10:32
S4	17522	S1 and S2	EPO; JPO	OR	ON	2005/11/09 10:32
S5	50	S3 and S4	EPO; JPO	OR	ON	2005/11/09 10:32

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	27676	optical adj dis$1 adj (drive or device or apparatus)	US-PGPUB; USPAT	OR	ON	2005/11/13 21:39
S2	29228	(double$1sided or "double adj side$1" or "tow side$1" or "dual side") or ((two or double or dual) near3 (side$1 or fac$2)) near3 dis$1	US-PGPUB; USPAT	OR	ON	2005/11/13 21:40
S3	671	S1 and S2	US-PGPUB; USPAT	OR	ON	2005/11/13 22:20
S4	177899	(double$1sid$2) or (plural$3 or two or double or second$3 or auxiliary) near3 (head$1 or pickup or (object$3 adj lens) or read$1write or record$1reproduc$3)	US-PGPUB; USPAT	OR	ON	2005/11/13 21:41
S5	515	S3 and S4	US-PGPUB; USPAT	OR	ON	2005/11/13 22:20